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NEWS 5	OCT 22	New version of STN Viewer preserves custom highlighting of terms when patent documents are saved in .rtf format
NEWS 6	OCT 28	INPADOCDB/INPAFAMDB: Enhancements to the US national patent classification.
NEWS 7	NOV 03	New format for Korean patent application numbers in CA/CAplus increases consistency, saves time.
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NEWS 14	DEC 21	CAS Learning Solutions -- a new online training experience
NEWS 15	DEC 22	Value-Added Indexing Improves Access to World Traditional Medicine Patents in CAplus
NEWS 16	JAN 24	The new and enhanced DPCI file on STN has been released
NEWS 17	JAN 26	Improved Timeliness of CAS Indexing Adds Value to USPATFULL and USPAT2 Chemistry Patents
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NEWS 19	JAN 28	CABA will be updated weekly
NEWS 20	FEB 23	PCTFULL file on STN completely reloaded
NEWS 21	FEB 23	STN AnaVist Test Projects Now Available for Qualified Customers
NEWS 22	FEB 25	LPCI will be replaced by LDPCI
NEWS 23	MAR 07	Pricing for SELECTing Patent, Application, and Priority Numbers in the USPAT and IFI Database Families is Now Consistent with Similar Patent Databases on STN

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       CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
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urinary and mastitis
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          0*  FILE ANTE
          0*  FILE AQUALINE
          0*  FILE BIOENG
          0*  FILE BIOTECHABS
          0*  FILE BIOTECHDS
          0*  FILE BIOTECHNO
          1   FILE CAPLUS
          0*  FILE CEABA-VTB
          0*  FILE CIN
  22 FILES SEARCHED...
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         CIN) AND URINARY AND MASTITIS

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L2            5 L1

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L3            4 DUP REM L2 (1 DUPLICATE REMOVED)

=> d l3 1-4

L3   ANSWER 1 OF 4  IFIPAT  COPYRIGHT 2011 IFI on STN  DUPLICATE 1
AN    11892997  IFIPAT;IFIUDB;IFICDB
TI    Use of Probiotic Bacteria in the Treatment of
      Infection; use of a live culture of a non-pathogenic food-grade
      probiotic bacterium ( lactococcus or lactobacillus strains of
      lactic acid bacteria) in the treatment of infectious
      diseases, may be a localised infection of the skin,
      including an infected wound, a urinary tract
      infection or mastitis
IN    Hallahan Stephen (IE); Ross Paul (IE)
PA    Unassigned Or Assigned To Individual (68000)
PPA   Teagasc The Agriculture and Food Development Authority IE
PPA   University College Cork National University Or (Probable)
PI    US 20080233091  A1  20080925
AI    US 2004-576010      20041015  (10)
      WO 2004-IE143       20041015
                          20070806  PCT 371 date
                          20070806  PCT 102(e) date
PRAI  IE 2003-773          20031017
FI    US 20080233091      20080925
DT    Utility; Patent Application - First Publication
FS    CHEMICAL
      APPLICATION
ED    Entered STN: 26 Sep 2008
      Last Updated on STN: Jan 2011
CLMN  24

L3   ANSWER 2 OF 4  USPATFULL on STN
AN     2008:200899  USPATFULL
TI     Enterococcus Antigens
IN     Meinke, Andreas, Pressbaum, AUSTRIA
       Nagy, Eszter, Vienna, AUSTRIA
       Hanner, Markus, Vienna, AUSTRIA
       Gelbmann, Dieter, Andau, AUSTRIA
PA     Intercell AG, Vienna, AUSTRIA (non-U.S. corporation)
PI     US 20080175856      A1  20080724
AI     US 2004-558119      A1  20040526 (10)
       WO 2004-EP5664          20040526
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20051123 PCT 371 date
PRAI EP 2003-450137 20030530
DT Utility
FS APPLICATION
LN.CNT 5615
INCL INCLM: 424/190.100
NCL NCLM: 424/190.100
IPC IPCI A61K0039-02 [I,A]; A61P0037-00 [I,A]
IPCR A61K0039-02 [I,C]; A61K0039-02 [I,A]; A61K0039-00 [N,C*]; A61K0039-00 [N,A]; A61P0037-00 [I,C]; A61P0037-00 [I,A]; C07K0014-195 [I,C*]; C07K0014-315 [I,A]; C07K0016-12 [I,C*]; C07K0016-12 [I,A]; C12N0015-31 [I,C*]; C12N0015-31 [I,A]; C12Q0001-68 [I,C*]; C12Q0001-68 [I,A]; G01N0033-569 [I,C*]; G01N0033-569 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 3 OF 4 USPATFULL on STN
AN 2007:113675 USPATFULL
TI Antagonistic properties of reef fish microflora
IN Bruno, Cynthia K., Washington, DC, UNITED STATES
PI US 20070098745 A1 20070503
AI US 2006-589301 A1 20061030 (11)
RLI Continuation-in-part of Ser. No. WO 2005-US15063, filed on 2 May 2005, PENDING
PRAI US 2004-566600P 20040430 (60)
DT Utility
FS APPLICATION
LN.CNT 2252
INCL INCLM: 424/234.100
INCLS: 424/243.100; 435/252.100
NCL NCLM: 424/234.100
NCLS: 424/243.100; 435/252.100
IPC IPCI A61K0039-085 [I,A]; A61K0039-02 [I,A]; C12N0001-20 [I,A]
IPCR A61K0039-085 [I,C]; A61K0039-085 [I,A]; A61K0039-02 [I,C]; A61K0039-02 [I,A]; C12N0001-20 [I,C]; C12N0001-20 [I,A]

L3 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2011 ACS on STN
AN 2005:341762 CAPLUS
TI Use of Probiotic Bacteria in the Treatment of Infection
IN Ross, Paul; Hallahan, Stephen
PA Teagasc the Agriculture and Food Development Authority, Ire.; University College Cork
SO PCT Int. Appl.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2005034970	A1	20050421	WO 2004-IE143	20041015

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

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     EP 1675603           A1    20060705    EP 2004-770417        20041015
     EP 1675603           B1    20090819
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK
     AT 439851            T     20090915    AT 2004-770417        20041015
     ES 2331650           T3    20100112    ES 2004-770417        20041015
     US 20080233091       A1    20080925    US 2007-576010        20070806
PRAI IE 2003-773          A     20031017
     WO 2004-IE143        W     20041015
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
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RE.CNT  10    THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT


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L3   ANSWER 2 OF 4  USPATFULL on STN
AN     2008:200899  USPATFULL
TI     Enterococcus Antigens
IN     Meinke, Andreas, Pressbaum, AUSTRIA
       Nagy, Eszter, Vienna, AUSTRIA
       Hanner, Markus, Vienna, AUSTRIA
       Gelbmann, Dieter, Andau, AUSTRIA
PA     Intercell AG, Vienna, AUSTRIA (non-U.S. corporation)
PI     US 20080175856       A1  20080724
AI     US 2004-558119       A1  20040526 (10)
       WO 2004-EP5664           20040526
                                20051123  PCT 371 date
PRAI   EP 2003-450137           20030530
DT     Utility
FS     APPLICATION
LN.CNT 5615
INCL   INCLM: 424/190.100
NCL    NCLM:  424/190.100
IPC    IPCI   A61K0039-02 [I,A]; A61P0037-00 [I,A]
       IPCR   A61K0039-02 [I,C]; A61K0039-02 [I,A]; A61K0039-00 [N,C*];
              A61K0039-00 [N,A]; A61P0037-00 [I,C]; A61P0037-00 [I,A];
              C07K0014-195 [I,C*]; C07K0014-315 [I,A]; C07K0016-12 [I,C*];
              C07K0016-12 [I,A]; C12N0015-31 [I,C*]; C12N0015-31 [I,A];
              C12Q0001-68 [I,C*]; C12Q0001-68 [I,A]; G01N0033-569 [I,C*];
              G01N0033-569 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.


=> d l3 2 kwic

L3   ANSWER 2 OF 4  USPATFULL on STN
SUMM   Enterococci are gram-positive bacteria that are normal
       inhabitants of the alimentary tract of humans and animals. They have
       been recognized as a cause of.  .  .
SUMM   .  .  .  E. faecium is unique because it is commonly used in production
       of fermented foods, and is also used as a probiotic bacterium.
       In recent years, E. faecium has been less acceptable as a food
       fermentation organism because of concern that this bacterium may be an
       intermediate host for spreading of antibiotic resistance to
       bacteria involved in human infections. Despite these concerns,
       E. faecium is still amongst the most common bacteria found in
       foods fermented by lactic acid bacteria. Many isolates of E.
       faecium have been shown to produce bacteriocins (antimicrobial peptides)
       that are able to kill or inhibit.  .  .  been chosen as starter cultures
```

in the production of fermented food. Recently, enterocins have been implemented successfully in treatment of mastitis in cattle.

SUMM Infection caused by the genus Enterococcus include a) bacteremia, b) urinary tract infections c) endophthalmitis, d) endocarditis and also wound and intra-abdominal infections. Approximately 3/4 of the infections are caused by. . .

SUMM b) Urinary Tract Infections

SUMM Enterococci have been estimated to account for 110,000 urinary tract infections (UTI) annually in the United States. A few studies have been aimed at understanding the interaction of enterococci. . .

SUMM . . . select for appropriate screening reagents, a series of immunoassays (mainly ELISA and immunoblotting) were performed with bacterial lysate and culture supernatant proteins to measure anti-E. faecalis IgG antibody levels. Sera from high titer individuals were included in the genomic-based antigen identification.

SUMM . . . most important diseases, which can be inflicted by the two pathogens is presented below. S. aureus causes mainly nosocomial, opportunistic infections: impetigo, folliculitis, abscesses, boils, infected lacerations, endocarditis, meningitis, septic arthritis, pneumonia, osteomyelitis, scalded skin syndrome (SSS), toxic shock syndrome. E. faecalis causes mainly infections which are not highly toxigenic, highly invasive, or highly infectious by most measures. They do, nevertheless, cause a substantial amount of human disease such as bacteremia, urinary tract infections, endocarditis and intra-abdominal infections.

SUMM . . . a serum collection, which has been tested against antigenic compounds of E. faecalis, such as whole cell extracts and culture supernatant proteins. Preferably, 2 distinct serum collections are used: 1. With very stable antibody repertoire: normal adults, clinically healthy people, who. . . induced acutely by the presence of the pathogenic organism: patients with acute disease with different manifestations (e.g. E. faecalis endocarditis, urinary tract infection and bacteraemia). Sera have to react with multiple enterococci-specific antigens in order to be considered hyperimmune and therefore. . .

SUMM . . . against secreted proteins are beneficial in neutralisation of their function as toxin or virulence component. It is also known that bacteria communicate with each other through secreted proteins. Neutralizing antibodies against these proteins will interrupt growth-promoting cross-talk between or within enterococcal. . .

SUMM . . . mechanisms. Inducing high affinity antibodies of the opsonic and neutralizing type by vaccination helps the innate immune system to eliminate bacteria and toxins. This makes the method according to the present invention an optimal tool for the identification of enterococcal antigenic. . .

SUMM The skin and mucous membranes are formidable barriers against invasion by enterococci. However, once the skin or the mucous membranes are breached the first line of non-adaptive cellular defence begins its co-ordinate action through complement and phagocytes, especially the polymorphonuclear leukocytes (PMNs). These cells can be regarded as the cornerstones in eliminating invading bacteria. As enterococci are primarily extracellular pathogens, the major anti-enterococcal adaptive response comes from the humoral arm of the immune system,. . . to activated C3b. After opsonization, enterococci are phagocytosed and killed. Antibodies bound to specific antigens on the cell surface of bacteria serve as ligands for the attachment to PMNs and to promote phagocytosis. The very same antibodies bound to the adhesins. . . antigens as provided by the present invention is thus well suited to identify those that will lead to protection against infection in an animal model or in humans.

SUMM . . . of the invention can be synthetically produced by conventional

peptide synthesizers. Mature proteins can be expressed in mammalian cells, yeast, bacteria, or other cells under the control of appropriate promoters. Cell-free translation systems can also be, employed to produce such proteins. . .

SUMM . . . a disease, most preferably for the diagnosis of a diseases related or linked to the presence or abundance of Gram-positive bacteria, especially bacteria selected from the group comprising enterococci, staphylococci and lactococci. More preferably, the microorganisms are selected from the group comprising Streptococcus. . .

SUMM . . . may be used as an antigen for vaccination of a host to produce specific antibodies which protect against invasion of bacteria , for example by blocking adherence of bacteria to damaged tissue. Examples of tissue damage include wounds in skin or connective tissue caused e.g. by mechanical, chemical or. . .

SUMM . . . described above, the compositions of this invention may be used generally as a wound treatment agent to prevent adhesion of bacteria to matrix proteins exposed in wound tissue and for prophylactic use in dental treatment as an alternative to, or in. . .

DETD Total bacterial lysate: Bacteria were grown overnight in BHI (Brain-heart Infusion) and lysed by repeated freeze-thaw cycles: incubation on dry ice/ethanol-mixture until frozen (1 min), then thawed at 37° C. (5 min): repeated 3 times. This was followed by sonication and collection of supernatant by centrifugation (3,500 rpm, 15 min, 4° C.).

DETD Culture supernatant: After removal of bacteria by centrifugation, the supernatant of overnight grown bacterial cultures was precipitated with ice-cold ethanol by mixing 1 part supernatant with 3 parts absolute ethanol and incubated overnight at -20° C. Precipitates were collected by centrifugation (2,600 g, for 15. . .

DETD Total bacterial lysate and culture supernatant samples were prepared from in vitro grown E. faecalis strain V583. 10 to 25 μg total protein/lane was separated by. . .

DETD . . . immune assays. Primary characterization was done by ELISA using two different antigen preparations, such as total bacterial extract and culture supernatant proteins prepared from E. faecalis V583 strain. Representative experiments are shown in FIG. 1 using sera from the healthy adult. . .

DETD Preparation of enterococcal genomic DNA. 50 ml Brain heart infusion (BHI) medium was inoculated with Enterococcus faecalis V583 bacteria from a frozen stab and grown with aeration and shaking for 18 h at 37° C. The culture was then harvested, centrifuged with 1,600×g for 15 min and the supernatant was removed. Bacterial pellets were washed 3× with PBS and carefully re-suspended in 0.5 ml of Lysozyme solution (100 mg/ml).. . . solution was incubated for 20 min at 4° C. The extract was pelleted in a microfuge (13,000 rpm) and the supernatant transferred into a new tube. The solution was extracted with PhOH/CHCl.sub.3/IAA (25:24:1) and with CHCl.sub.3/IAA (24:1). DNA was precipitated at. . .

=> FIL STNGUIDE

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FULL ESTIMATED COST	30.47	33.54

FILE 'STNGUIDE' ENTERED AT 03:04:17 ON 28 MAR 2011

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FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Mar 25, 2011 (20110325/UP).

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     CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
     DRUGU, EMBAL, EMBASE, ESBIOBASE, ...' ENTERED AT 03:00:03 ON 28 MAR 2011
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               3   FILE USPATFULL
               0*  FILE WATER
L1              QUE SKIN(P)INFECT? AND PROBIOTIC AND BACTERIA AND (SUPERNATANT
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L3            4 DUP REM L2 (1 DUPLICATE REMOVED)

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                                                     ENTRY    SESSION
FULL ESTIMATED COST                                   0.24      33.78

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NEWS 11	JAN 28	CABA will be updated weekly
NEWS 12	FEB 23	PCTFULL file on STN completely reloaded
NEWS 13	FEB 23	STN AnaVist Test Projects Now Available for Qualified Customers
NEWS 14	FEB 25	LPCI will be replaced by LDPCI
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NEWS 16	APR 26	Expanded Swedish Patent Application Coverage in CA/CAplus Provides More Current and Complete Information
NEWS 17	APR 28	The DWPI (files WPINDEX, WPIDS and WPIX) on STN have been enhanced with thesauri for the European Patent Classifications
NEWS 18	MAY 02	MEDLINE Improvements Provide Fast and Simple Access to DOI and Chemical Name Information
NEWS 19	MAY 12	European Patent Classification thesauri added to the INPADOC files, PCTFULL, GBFULL and FRFULL
NEWS 20	MAY 23	Enhanced performance of STN biosequence searches
NEWS 21	MAY 23	Free Trial of the Numeric Property Search Feature in PCTFULL on STN
NEWS 22	JUN 20	STN on the Web Enhanced with New Patent Family Assistant and Updated Structure Plug-In
NEWS 23	JUN 20	INPADOC databases enhanced with first page images
NEWS 24	JUN 20	PATDPA database updates to end in June 2011
NEWS 25	JUN 21	INPADOC: Delay of German patent coverage
NEWS 26	JUN 26	MARPAT Enhancements Save Time and Increase Usability
NEWS 27	JUL 25	STN adds Australian patent full-text database, AUPATFULL, including the new numeric search feature.
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AND CURRENT DISCOVER FILE IS DATED 24 JANUARY 2011.

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FULL ESTIMATED COST                                         0.23       0.23

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       AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,
       CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
       DRUGU, EMBAL, EMBASE, ESBIOBASE, ...' ENTERED AT 19:41:04 ON 12 AUG 2011

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=> s Lactococcus and skin and probiotic
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          1   FILE AQUASCI
          1   FILE BIOENG
          4   FILE BIOSIS
          3   FILE BIOTECHABS
          3   FILE BIOTECHDS
          4   FILE CABA
         16   FILE CAPLUS
          3   FILE DGENE
          5   FILE EMBASE
          1   FILE ESBIOBASE
          4   FILE FROSTI
          1   FILE FSTA
         20   FILE IFIPAT
          2   FILE LIFESCI
          1   FILE MEDLINE
          3   FILE PASCAL
          2   FILE SCISEARCH
          2   FILE TOXCENTER
        220   FILE USPATFULL
         22   FILE USPAT2
  51 FILES SEARCHED...
         38   FILE WPIDS
         38   FILE WPINDEX

  23 FILES HAVE ONE OR MORE ANSWERS,   56 FILES SEARCHED IN STNINDEX

L1   QUE LACTOCOCCUS AND SKIN AND PROBIOTIC

=> logoff
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y)/N/HOLD:y
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.71       0.94
```

STN INTERNATIONAL LOGOFF AT 19:41:48 ON 12 AUG 2011